



# NITFS

## Compliance Registration



**Product:** Operational Weather Squadron Production System Phase II, Leading Environmental Analysis and Display System (LEADS),

**Sponsor:** Version 3.0.1

Air Force Weather Agency, Product Tailoring and Warfighter Developer Applications

- Initial Registration
- Supplemental/Update #
- Derived from Reg.

Complexity Level						
NITF 2.1 CLEVEL						
Interpret		3	5	6	7	
Generate						
NITF 2.0 CLEVEL						
Interpret	1	2	3	4	5	6 Oth
Generate						

### Configurations Tested:

Server: Dell Power Edge, Pentium III (MS Windows 2000)  
 Client: Dell Precision Workstation 650 (MS Windows 2000)

The OWS OPS II LEADS application is a weather specific product and does not have a general purpose NITFS capability.

Therefore, only NITFS Component compliance was evaluated.

The OWS OPS II LEADS interprets the DIGEST Tagged Record

Registration (TRES) in NITF weather files when present.

When a file is input without the TRES, the LEADS application adds the mapping projection data to orient the weather image. In the output file, LEADS generates

both the TRES and a Weather Projection Data single text

segment with the geospatial attributes.

### Information Processing Systems-MeteoStar®, Inc.

N-0105/98, §4.1.1

#### Product

N-0105/98, §4.1.2

#### Component

N-0105/98, §4.1.3

\*\* NITF 2.0 feature

\* NITF 2.1 feature

#### Format

NITF

v2.1

v2.0

v1.1

NSIF

v1.0

#### Pixel Value Types

Boolean

Integer

Signed Integer \*

IEEE Real \*

IEEE Complex \*

#### Annotation Segment Types

Bit Mapped \*\*

CGM, 2301

CGM, 2301A

Labels \*\*

#### Text Segments

STA

UT1

U8S

MTF

#### Image Segment Types

MONO

RGB

RGB/LUT

YCbCr

MULTI

NODISPLY

POLAR

#### Image Compression

Not Compressed

JPEG Lossy, 8-bit

JPEG Lossy, 12-bit

JPEG Downsample

JPEG Lossless

JPEG 2000

Bi-Level

Vector Quantization

Multispectral JPEG, Individual Band

Date: 07 May 2003

Expiration: 07 May 2005

Registration #: 1018

#### Data Extension Segments

TRE OVERFLOW

STREAMING FILE HEADER

Controlled Extensions \*\*

Registered Extensions \*\*

#### Tagged Record Extensions

GEOPSB

MAPLOB

PRJPSB

EDWARD E. BOYLES II, Division Chief

Joint Interoperability Test Command

Executive Agent to National Imagery & Mapping Agency  
 for the NITFS Test and Evaluation Program